WHAT IS CLAIMED IS:

A method for treating inflammatory disease in a subject, the method comprising administering a therapeutically effective amount to the subject of a pentaaza-macrocyclic ligand complex catalyst represented by the following formula:

- The method of claim 1 wherein the subject is a 2. mammal.
- 3. The method of claim 2 wherein the mammal is a human.
- A method for treatment of arthritis, the method comprising administering a therapeutically effective amount

to a subject of a pentaaza-macrocyclic ligand complex catalyst represented by the following formula:

- 5. The method of claim 4 wherein the arthritis is rheumatoid arthritis.
- 6. The method of claim 4 wherein the subject is a mammal.
- 7. The method of claim 6 wherein the mammal is a human.
- 8. A pharmaceutical composition for the treatment of an inflammatory disease in a subject, the composition comprising a pharmaceutically acceptable carrier and a

pentaaza-macrocyclic ligand complex catalyst represented by the following formula:

- 9. The composition of claim 8 wherein the inflammatory disease is arthritis.
- 10. The composition of claim 9 wherein the inflammatory disease is rheumatoid arthritis.